BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work : Providing Gym equipments at Naraseepura Park in Ward No.9

							Est Cost : 40,00,000/-		
Sl. No	Description of work	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate (Rs.)	Amount (Rs.)
1	KSRB 2-2.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 /2.3.1 (P-6, I-2.1 PWDSR 18-19)								
	Basic Rate		249.00						
	Area weightage @ 6%		14.94						
	Total		263.94						
	Levelling open gym area		1	11.00	10.00	0.35	38.50		
	Levelling open gym area		1	15.50	9.90	0.35	53.71		
		cum				Total	92.21	263.94	24,337.25
2	Providing and fixing precast solid concrete kerb stones made out of No.272.21 CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P. No. 27 I. No. 5.30. (S.R.of PW,P & IWTD, SR 2018-19								
	Basic Rate		408.00						
	Area weightage @ 6%		24.48						
	Total		432.48						
	kerb stone open gym		2	11.00			22.00		
			2	10.00			20.00		
			2	15.50			31.00		
			2	9.50			19.00		
							92.00		
						92/.45	204.44		
		Nos				Total	205	432.48	88,658.40
3	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. I.No.15.80								
	Basic Rate		37.00						
	Area weightage @ 6%		2.22						
	Total		39.22						
	kerb stone open gym		2	11.00	0.40		8.80		
			2	10.00	0.40		8.00		
			2	15.50	0.40		12.40		
			2	9.50	0.40		7.60		
		Sqm					36.80	39.22	1,443.30

4	KSRB 15-19.2 : Providing and applying spray painting in two coat (excluding priming coat) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.81								
	Basic Rate		85.00						
	Area weightage @ 6%		5.10						
	Total		90.10						
	kerb stone open gym		2	11.00	0.40		8.80		
			2	10.00	0.40		8.00		
			2	15.50	0.40		12.40		
			2	9.50	0.40		7.60		
		Sqm					36.80	90.10	3,315.68
5	Providing and laying in positionp lain cement concrete of Mix CC 1:4;8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.13, Item No.4.3) (S.R.of PW,P & IWTD, SR 2018-19								
	Basic Rate		5102.00						
	Area weightage @ 6%		306.12						
	Total		5408.12						
	Levelling open gym area		1	11.00	10.00	0.15	16.50		
	Levelling open gym area		1	15.50	9.50	0.15	22.09		
	Gym items		18	0.60	0.60	0.15	0.97		
		cum				Total	39.56	5408.12	213,942.52
6	Providing and laying in position plain cement concrete of Mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.549 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.13, Item No.4.1) (S.R.of PW,P & IWTD, SR 2018-19								
	Basic Rate		5283.00						
	Area weightage @ 6%		316.98						
	Total		5599.98						
	Levelling open gym area		1	11.00	10.00	0.10	11.44		
	Levelling open gym area		1	15.50	9.50	0.10	15.31		
	Gym items		18	0.60	0.60	0.45	2.92		
	kerb stone open gym		2	11.00	0.20	0.10	0.46		
			2	10.00	0.20	0.10	0.42		
			2	15.50	0.20	0.10	0.64		
			2	9.50	0.20	0.10	0.40		
		cum				Total	31.58	5599.98	176,867.53

7	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortat 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour curing complete as per specification. P.112, I. No.14.62. (S.R.of PW,P & IWTD, SR 2018-19								
	Basic Rate		1232.00						
	Area weightage @ 6%		73.92						
	Total		1305.92						
	Levelling open gym area		1	11.00	10.00		110.00		
	Levelling open gym area		1	15.50	9.50		147.25		
		sqm				Total	257.25	1305.92	335,947.92
8	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO NobelGreat Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO 7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	230000.00	460,000.00
9	Supply and fixing of HD Health Walker. Metal. All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded Joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	140000.00	280,000.00
10	Supply and fixing of HD Waist Twister Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of .80-120 microns, All metal parts are tested in our salt spray machine that uses a 5% Nacl, solution: in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules								
			2.00				2.00		
		Nos					2.00	130000.00	260,000.00

11	Supply and fixing of Twist Stepper. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	180000.00	360,000.00
12	Supply and Fixing of Tai Chi Spinners. Metal: All tubular steel of 2.5mm thickness are galvanizedand zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	115000.00	230,000.00
13	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% Nacl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAl 5019 Blue and RAL 1014 Beige, Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	165000.00	330,000.00
14	Supply and Fixing of HD Sit Up Station. Metal: AU tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. Alt metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80.120 microns. All metal parts are tested in our sail spray machine that uses a 5% NaCl, solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Clearings: Maintenance free ball bearings. Scope of delivery: 1 completely pre. assembled equipment modules.								
			2.00				2.00		
		Nos					2.00	125000.00	250,000.0

15	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre. assembled equipment modules								
			2.00				2.00		
		Nos					2.00	170000.00	340,000.00
16	Supply and Fixing of HD Mini Ski. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
			1.00				1.00		
		Nos					1.00	160000.00	160,000.00
17	Supply and fixing of Elliptical Cross Trainer. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules.								
		Nos	1.00				1.00		
							1.00	140000.00	140,000.00
18	Providing and fixing Polished Grey Granite Slab Benches as per designs, drawing specification and direction of Engineer in charge of works								
			1	7.00			7.00		
		Rmt				Total	7.00	10550.00	73,850.00
19	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 10 kms) complete with all lead & lift & as per the direction of the Engineer in charges. (S.R.of PW,P & IWTD, SR 2016-17								
	For 10k.m		10x1.28x2=		25.60				
	Loading & unloading				57.00				
	Total =				82.60				
	Qty same as item No.1						92.21		
		cum				Total	92.21	82.60	7,616.34

	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works								
		Nos	2.00				2.00		
						Total	2.00	4800.00	9,600.00
								Total Construction Cost	**3,745,578.93**
								4% KRIDL Charges (3% KRIDL + 1% Labour Cess)	**149823.16**
								12% GST on SR 2018-19 Items	**102255.47**
								Sub Total	**3997657.56**
								Miscallaneous	**2342.44**
								GRAND TOTAL Rs.	**4000000.00**

CERTIFICATE

1) Certified that have inspected the spot & Prepared the Estimate according to the necessity & site conditions.
2)Certified that the work is not split up.
3) Certified that the estimate is prepared on the basis of CSR of PW, P & IWTD, Bangalore Circle, Bangalore for the year 2018-19 and approved data rate.
4) Certified that Adequate & necessary provisions have been made in the estimate.

Assistant Engineer 5/12/18

Assistant Executive Engineer 5/12/18

Executive Engineer (P) 5/12/18

Administrative Approval
Accorded For Rs 40.00 lakhs only
Head of A/C P 32 SD
CER NO : AS/58/18 Dt: 05.12.2018

TA CE (YNK)

Technical Sanction
Accorded For As 40.00 lakhs only
Head of A/C P 32 SD
CER NO TS/119/18 Dt: 05.12.2018

TA CE (YNK)